Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Modified Estimate For Maintenance and repairs of Footpath in Chowdeshwari Ward no-02 of Yelahanka Sub Division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Estimate Cost Unit	Rate	30.00 Lakhs Amount
1	Removing and resetting of Kerb Stone (Approved Rate)								
	Chowdeshwari Ward								
		1	579.00			579.00			
						579.00	M	96.05	55,612.95
	Approved Amount		96.05						
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)Issue Rate On 07-07-2022								
	Chowdeshwari Ward								
	Kerb Stone								
		1	700.00	0.20	0.10	14.00			
						14.00	Cum	4548.45	63,678.30
	Approved Amount		4548.45						
3	Supplying and fixing M15 grade precast cement concrete **Kerb stones** for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) 600 x 300 x 150 mm Kerb Stone (V-III No-6.3,P No-146 of PWD BCSR 2021-22)								
	Chowdeshwari Ward								
		1	700.00			700.00			
						700.00	m		
						1556.00	Nos	380.25	591669.00
	Approved Amount		380.25						
4	**Painting two coats** after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III, P.No.56, I.No.8.10 of PW, PWD SR 2021-22)								
	Chowdeshwari Ward								
		1	1279.00		0.35	447.65			
						447.65	Sqm	70.13	31,393.69
	Approved Amount		70.13						
5	Providing and fixing precast reinforced cement concrete **covering slabs of 10Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Missing or Damaged Slabs								
	Chowdeshwari Ward								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		230	0.60	0.90		124.20			
						124.20	**Sqm**	**1554.00**	**193006.80**
	Approved Amount		1554.00						
6	Providing and fixing precast reinforced cement concrete covering slabs of 23Cm thick made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement								
	Missing or Damaged Slabs								
						0.00			
						0.00	**Sqm**	**3777.75**	**0.00**
	Approved Amount		3777.75						
7	Hydraulic Excavator of 0.9 Cum Bucket (2021-22 SR V-I Sl.No-50 P.No-A45)								
		6	6			36			
						36	**Hr**	**708.00**	**25488.00**
	Approved Amount		708.00						
8	1024 - Providing Tractor 40 HP Hire Charges of including Operator and Fuel (P. XLVIII / I. 19) PWD SR 2018-19								
			135			135			
						135	**Day**	966.00	**130410.00**
	Approved Amount		966.00						
9	Providing Causal Labours (Unskilled mazdoor Heavy) (PWD SR 2021-22 Page No-A52 . V-I)								
		8	135			1080			
						1080	**Nos**	486.22	**525118.00**
	Approved Amount		486.22						

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
10	Supply and fixing of Retro Reflective **Single arrow road name sign board** of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back ground of blue colour & white letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS angle of 15mm x 20mm x 1.2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in color with letters and border in white, the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc., complete. as per clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 including outdoor weather exposure report for the retro reflective sheeting offered shall be submitted by the contractor for technical qualification in the tender.(Approvied Arrival Rate)								
		4				4.00			
						4.00	Nos	28120.00	112480.00
	Approved Amount		28120.00						
	EIRL								
E1	Earth work **excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum.(Tipper 5.5 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22) & (V-III Page No.3, Item No.1.1 A of PWD SR 2021-22)								
	Basic Rate	186.00							
	Loading And Unloading	118.00							
	Sub Total	304.00							
	Area Weightage 10%	30.40							
	Sub Total	334.40							
	Below 20.35%	68.05							
	Total Rate	266.35							
	Drain Desilt								
	Ward No-02								
		1	2710.00	0.60	0.50	813.00			
						813.00	Cum	266.35	216542.22
E2	**Cost of Haulage Excluding Loading** and Unloading Taking output 10 t load and lead 10 km = 100 t.km(V-III Page No.3, Item No.1.4A of PWD SR 2021-22)								
	Basic Rate	12.00							
	8KM Lead = 12*8	96.00							
	Area Weightage 10%	9.60							
	Sub Total	105.60							
	Below 20.35%	21.49							
	Total Rate	84.11							
	Qty frm Item No-E1		813.0	1.28		1040.64			
						1040.64	t.Km	84.11	87,528.65

10-1-23

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Total Construction Cost	2032927.62
								18% GST for Construction Cost	365926.97
								Sub Total	2398854.59

Assistant Engineer,
Ward No-02
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Technical Sanction
Accorded For Rs. 2398854.59
Head of A/C PS526
CER NO :...93... Dt:...15/03/23

TA